

Table S2: Preliminary SILL-analyses of fructose-metabolizing enzymes & relevant proteins in untreated WT and Gp78-KO livers.

Acc #	Gene	Protein MW	Species	gp78 WT		gp78 KO		Protein Name						
				peptide	peptide	peptide	% of WT							
Q91X44	Gckr	64680	MOUSE	2	3	150%	Glucokinase regulatory protein							
P35576	G6pc	40473	MOUSE	0	6		Glucose-6-phosphatase							
P06745	Gpi	62768	MOUSE	3.5	6.5	186%	Glucose-6-phosphate isomerase							
Q9QXD6	Fbp1	36913	MOUSE	22	22	100%	Fructose-1,6-bisphosphatase 1							
Q91Y97	Aldob	39507	MOUSE	36.5	43.5	119%	Fructose-bisphosphate aldolase B							
P97328	Khk	32751	MOUSE	2	10	500%	Ketohexokinase							
Q91Y97	Aldob	39507	MOUSE	36.5	43.5	119%	Fructose-bisphosphate aldolase B							
P17751	Tpi1	32192	MOUSE	10.5	8.5	81%	Triosephosphate isomerase							
P16858	Gapdh	35810	MOUSE	26	28	108%	Glyceraldehyde-3-phosphate dehydrogenase							
P09411	Pgk1	44551	MOUSE	7.5	16.5	220%	Phosphoglycerate kinase 1							
P09041	Pgk2	44853	MOUSE	2	6	300%	Phosphoglycerate kinase 2							
Q9DBJ1	Pgam1	28832	MOUSE	6.5	11.5	177%	Phosphoglycerate mutase 1							
O70250	Pgam2	28827	MOUSE	2	5	250%	Phosphoglycerate mutase 2							
P17182	Eno1	47141	MOUSE	25	19	76%	Alpha-enolase							
P17183	Eno2	47297	MOUSE	3.5	5.5	157%	Gamma-enolase							
P21550	Eno3	47025	MOUSE	2.5	4.5	180%	Beta-enolase							
P52480	Pkm	57845	MOUSE	1	1	100%	Pyruvate kinase PKM							
P53657	Pklr	62309	MOUSE	22	16	73%	Pyruvate kinase PKLR							
P63030	Mpc1	12455	MOUSE	1.5	8.5	567%	Mitochondrial pyruvate carrier 1							
Q9D023	Mpc2	14286	MOUSE	9.5	9.5	100%	Mitochondrial pyruvate carrier 2							
Q05920	Pc	129686	MOUSE	55.5	81.5	147%	Pyruvate carboxylase, mitochondrial							
P35486	Pdha1	43232	MOUSE	1	2	200%	Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial							
Q9D051	Pdhb	38938	MOUSE	4	5	125%	Pyruvate dehydrogenase E1 component subunit beta, mitochondrial							
Q8BMF4	Dlat	67942	MOUSE	4	2	50%	Dihydrolipoylysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial							
O08749	Dld	54273	MOUSE	3	10	333%	Dihydrolipoyl dehydrogenase, mitochondrial							
Q91V92	Acly	119729	MOUSE	24.5	33.5	137%	ATP-citrate synthase							
Q5SWU9	Acaca	265259	MOUSE	21.5	18.5	86%	Acetyl-CoA carboxylase 1							
E9Q4Z2	Acacb	275753	MOUSE	8	5	63%	Acetyl-CoA carboxylase 2							
P19096	Fasn	272431	MOUSE	171	143	84%	Fatty acid synthase							
E9Q414	Apob	509436	MOUSE	3.5	7.5	214%	Apolipoprotein B-100							
O08601	Mttp	99100	MOUSE	20	33	165%	Microsomal triglyceride transfer protein large subunit							

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Age/match-matched *Gp78-KO* or *Gp78-WT* and stable-isotope-labeled (SILL) WT mouse livers were mixed in equal weights and each individual mixture proteolytic digest subjected to proteomic analyses. SILL-peptides in each mixture were used for normalization.